Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

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1 Claim 1 (previously presented): A simulation method of analyzing electromagnetic interference developing in an 2 3 LSI, comprising: a correction step of correcting the amplitude of a 4 current estimation waveform in each simulated node which 5 has been previously prepared for each change in each 6 simulated node, in accordance with the probability of 7 variation in each simulated node; 8 an addition step of adding current waveforms of all 9 simulated nodes together within a period 10 time 11 corresponding to one cycle, provided that the corrected current waveform appears at time a signal arrives 12 at each simulated node; and 13 a frequency analysis step of analyzing the frequency 14

Claim 2 (previously presented): The method of analyzing electromagnetic interference developing in an LSI according to claim 1, wherein the correction step includes a step of correcting the amplitude of a current estimation waveform, which has been prepared for each change in each

of the current waveform calculated in the addition step.

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- simulated node, in accordance with the probability of variation in each simulated node and a distribution with respect to time.
- Claim 3 (previously presented): The method 1 analyzing electromagnetic interference developing in an LSI 2 according to claim 1, wherein each simulated node has a 3 plurality of signal transmission paths (hereinafter 4 referred to simply as "paths"), and each of the current 5 waveforms is calculated in consideration of a case where 6 each of the paths has a unique probability of change and 7 signal arrival time. 8
 - Claim 4 (previously presented): The method of analyzing electromagnetic interference developing in an LSI according to claim 2, wherein each simulated node has a plurality of paths, and each of the current waveform is calculated in consideration of a case where each of the paths has a unique probability of change and signal arrival time.
- Claim 5 (previously presented): A method of analyzing electromagnetic interference developing in an LSI, the method comprising:
- a waveform formation step of forming a current sestimation waveform which has been prepared for each change

- in each simulated node, as if the waveform randomly arises
- 7 within a plurality of predetermined cycles, in accordance
- 8 with the probability of change in each simulated node and
- 9 a time at which a signal arrives at each simulated node;
- 10 adding the thus-prepared current estimation waveforms
- of all simulated nodes, to thereby derive a current
- waveform; and
- 13 analyzing the frequency of the current waveform,
- thereby determining a noise characteristic of EMI.
 - 1 Claim 6 (previously presented): The method of
 - 2 analyzing electromagnetic interference developing in an LSI
 - according to claim 5, wherein each simulated node has a
 - 4 plurality of paths, and a current waveform is calculated in
 - 5 consideration of a case where each of the paths has a
 - 6 unique probability of change and signal arrival time.
 - 1 Claim 7 (previously presented): A method of analyzing
 - 2 electromagnetic interference developing in an LSI, the
 - 3 method comprising:
 - a waveform formation step of forming a current
 - 5 estimation waveform which has been prepared for each change
 - 6 in each simulated node, as if the waveform randomly arises
 - 7 within a plurality of predetermined cycles, in accordance
 - 8 with the probability of change in each simulated node and
 - 9 a distribution probability of time;

- 10 adding the thus-prepared current estimation waveforms
- of all simulated nodes, to thereby derive a current
- waveform; and
- analyzing the frequency of the current waveform,
- thereby determining a noise characteristic of EMI.
- 1 Claim 8 (previously presented): The simulation method
- of analyzing electromagnetic interference developing in an
- 3 LSI according to claim 7, wherein each simulated node has
- a plurality of paths, and a current wave form is calculated
- in consideration of a case where each of the paths has a
- 6 unique probability of change and signal arrival time.
- 1 Claim 9 (new): A simulation method of analyzing
- 2 electromagnetic interference developing in an LSI,
- 3 comprising:
- a correction step of correcting the amplitude of a
- 5 current estimation waveform in each simulated node which
- 6 has been previously prepared for each change in each
- 7 simulated node, in accordance with the probability of
- 8 variation in each simulated node;
- an addition step of adding current waveforms of all
- 10 simulated nodes together within a period of time
- 11 corresponding to one cycle, provided that thus-corrected
- 12 current waveform appears at time a single arrives at each
- 13 simulated node.

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- Claim 10 (new): A simulation method of analyzing
 electromagnetic interference developing in an LSI,
 comprising:
- a correction step of correcting the amplitude of a current estimation waveform in each simulated node which has been previously prepared for each change in each simulated node, in accordance with the probability of variation in each simulated node;
 - an addition step of adding current waveforms of all simulated nodes together within a period of time corresponding to one cycle, provided that thus-corrected current waveform appears at time a single arrives at each simulated node; and
- a voltage-Drop analysis step of analyzing the VoltageDrop of the current waveform calculated in the addition
 step.
 - Claim 11 (new): A simulation method of analyzing
 electromagnetic interference developing in an LSI,
 comprising:
 - a correction step of correcting the amplitude of a current estimation waveform in each simulated node which has been previously prepared for each change in each simulated node, in accordance with the probability of variation in each simulated node;

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9	an addition step of adding current waveforms of all
10	simulated nodes together with a period of time
11	corresponding to one cycle, provided that thus-corrected
12	current waveform appears at time a single arrives at each
13	simulated node; and
14	a power consumption analysis step of analyzing the
15	power consumption of the current waveform calculated in the
16	addition step.